

## 104.1 - High Purity Metals (solid forms)

These SRMs are for determining impurity elements in high purity metals.

For further information see [SP 260-86](#)

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

| SRM           | 680A-L1              | 682              | 683         | 685r                   | 726                    | 728                       | 885            |
|---------------|----------------------|------------------|-------------|------------------------|------------------------|---------------------------|----------------|
| Description   | High Purity Platinum | High Purity Zinc | Zinc, Metal | High Purity Gold (Rod) | Selenium, Inter-Purity | Zinc, Intermediate Purity | Refined Copper |
| Unit of Issue | (10 cm)              | (block)          | (block)     | (rod 15g)              | (450 g)                | (450 g)                   | (200 g)        |
| Cu            | 0.1                  | 0.042            | 5.9         | 0.1                    |                        | 5.68                      |                |
| Ni            |                      | (                |             | (                      |                        | (0.45)                    |                |
| Pb            |                      |                  | 11.1        |                        |                        | 11.13                     |                |
| Zr            |                      |                  |             |                        | Mn                     | (                         |                |
| Ag            |                      | (0.02)           | 1.3         | [0.1]                  |                        | 1.08                      | 0.0005         |
| Mg            |                      | (                |             | (                      |                        | (                         |                |
| Fe            | 1.3                  | (0.1)            | 2.2         | 0.2                    | 1                      | 1.84                      |                |
| O             | 4                    | (                |             | (                      | Cr                     |                           | 0.031          |
| Pd            | 0.2                  |                  |             |                        | Mo                     | (                         |                |
| Au            |                      |                  |             |                        | Te 0.3                 | (                         | S 0.0018       |
| Rh            |                      |                  |             |                        | As                     | (                         | Sb             |
| Ir            |                      |                  |             |                        | Al                     | (                         | As             |
| Sn            |                      | (0.02)           | (0.02)      | (                      |                        | 0.02                      |                |
| Cd            |                      | (0.1)            | 1.1         |                        | B                      | 1.14                      | Bi             |
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| Unit of Issue | (10 cm)              | (block)          | (block)     | (rod 15g)              | (450 g)                | (450 g)                   | (200 g)        |
| Tl            |                      |                  | (0.2)       |                        | Ca                     | 0.2                       | Zn             |
| In            |                      |                  |             | 0.007                  | S 12                   | (                         |                |

Values in parentheses are not certified and are given for information only.

Values in brackets are subject to greater error since only one method of analysis was employed.

\*SRM 885 values are mass fractions, in %